NAME:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Biology Principles of Ecology (Chapter 2 Outline)**

*Vocabulary*: Define in your own words

Biosphere-

Population-

Biological Community-

Biome-

Niche-

Symbiosis-

Detritivore-

Trophic level-

Biomass-

Matter-

Nutrient-

Biogeochemical Cycle-

Respond to the following questions:

Compare and contrast the three major types of symbiotic relationships: mutualism, commensalism, and parasitism. Furthermore, provide an example of each type of relationship. (6 pts)

How does energy flow through an ecosystem? Explain. (2 pts)

What are the biogeochemical cycles of nutrients and how are they alike? Explain. (3 pts)

**Write three things that you learned about the Principles of Ecology**

*Make sure to write a full sentence.*

***Example sentence****: I learned that the abiotic factors in an environment are the non-living factors that affect organisms living in an ecosystem.*

*1.*

*2.*

*3.*

*ASSIGNED WORK:*

Read the article titled "To Dam or Not to Dam" at the end of the chapter. Write a short paragraph that summarizes some of the issues with the Glen Canyon Dam. How do you feel about dams? Does the need for clean, hydroelectric energy outweigh the ecological consequences of a dam? Explain your viewpoint. (8 pts)